

ABSTRACT

An essentially ring shaped core back for an
5 electrical machine comprising a plurality of stacked,
ring shaped sheets of soft magnetic material; a barrier
of electrical resistance arranged between two adjacent
sheets of soft magnetic material for reducing effects of
10 eddy currents. At least each sheet of soft magnetic
material in a subset of said plurality of stacked, ring
shaped sheets of soft magnetic material includes a
plurality of circumferentially arranged tooth openings
that are extending axially through each sheet in said
15 subset of said plurality of stacked, ring shaped sheets
of soft magnetic material, additionally, each sheet of
said subset of said plurality of stacked, ring shaped
sheets of soft magnetic material includes a first inner
closing portion and a second inner closing portion that
20 are arranged between each tooth opening and an inner
perimeter of said ring shaped sheet of soft magnetic
material. Each first inner closing portion is arranged to
face a corresponding second inner closing portion.

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Elected for publication: Fig. 4

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